# **ENDNOTES**

### **EXECUTIVE SUMMARY**

1. Data on per capita personal income in 2003, scheduled for release in May 2005 by the U.S. Bureau of Economic Analysis, were not available when completing this State of the Region Report in December 2004. However, both estimates made by researchers at California State University, Long Beach and Fullerton indicated that the region's total personal income would increase by only approximately 3.7 percent between 2002 and 2003. After adjusting for the population growth rate and the inflation rate in 2003, the region's real personal income per capita was almost unchanged between 2002 and 2003. Please see Regional Economic Forecast for Southern California, 2005-2006, published by the Southern California Association of Governments.

#### **POPULATION**

- In addition to domestic migration, the other two
  components contributing to population growth are natural
  increases (births over deaths) and net foreign immigration.
  Between 1990 and 2003, natural increases and net foreign
  immigration had much smaller year-to-year variations than
  domestic migration. Hence, the variations in domestic
  migration largely determined the fluctuation of annual
  population growth in the region.
- 2. Public Policy Institute of California, California Department of Finance, and "California Cuts Its Population Projection" in Los Angeles Times, October 4, 2004.

3. Migration and Its Effects, prepared by Simon Choi, June, 2004, Southern California Association of Governments.

### THE ECONOMY

- 1. U.S. Bureau of Economic Analysis. Regional Economic Information System.
- 2. Data on employment by sector discussed in this section are based on the Labor Market Information published by the California Employment Development Department.
- A structural budget deficit exists when revenues raised by the state's taxes and other revenue sources are not sufficient to fund service levels under existing law adjusted for population growth and inflation.
- 4. Real Estate Research Council of Southern California, Real Estate and Construction Report, 4th Quarter, 2003.
- 5. Center for the Continuous Study of the California Economy, *California Economic Growth, 2004 Edition,* p. 8-8.
- 6. The 2003 average payroll per job information is based on the third quarter data from the *Quarter Census of Employment*, California Employment Development Department.
- 7. John E. Husing. 2004. Logistics and Distribution: Answer to Regional Upward Mobility.
- 8. See endnote 1 under Executive Summary.
- 9. U.S. Census Bureau. 2003. Income, Poverty and Health Insurance Coverage in the United State.

- 10. Southern California Association of Governments. The State of the Region 2002, p. 26, Figure 26, available: http://www.scag.ca.gov/publications/.
- 11. U.S. Census Bureau. 1980, 1990 and 2000 Census.
- 12. U.S. Census Bureau. 2003. Income, Poverty and Health Insurance Coverage in the United State.
- 13. Ibid.
- 14. U.S. Census Bureau, American Community Survey, 2000 and 2003.
- 15. All taxable sales data in this section are from the California State Board of Equalization.
- 16. Data on direct international trade employment are from the *International Trade Trends and Impacts, the Los Angeles Region*, published by the Los Angeles Economic Development Corporation in 2004. Direct international trade employment includes activities related to moving commodities in and out of the customs district and does not include any manufacturing activities.
- 17. Los Angeles Economic Development Corporation. 2004. International Trade Trends and Impacts, the Los Angeles Region.

#### Housing

- 1. California Department of Finance.
- 2. U.S. Census Bureau.
- 3. Ibid.

4. Southern California Association of Governments. *The State of the Region 2002*, p. 39, Figure 39.

#### **T**RANSPORTATION

- 1. California Department of Transportation. 2003 Assembly of Statistical Reports.
- Southern California Association of Governments. The State of the Region 2002, p. 44, Figure 41, available: http://www.scag.ca.gov/publications/.
- 3. Southern California Association of Governments. *The State of the Region 2003*, p. 106, Figure 37a.
- 4. Southern California Association of Governments. 2003. *Draft RTP EIR*, p.3.3-9.
- Southern California Association of Governments. 2003. Year 2000 Post-Census Regional Travel Survey: Final Report of Survey Results, p.10.
- 6. Ibid, p. 4.
- 7. U.S. Bureau of Transportation Statistics. *Transportation Statistics Annual Report* 2001, p. 139.
- 8. U.S. Bureau of Transportation Statistics. *National Transportation Statistics* 2002. p.148.
- Southern California Association of Governments. 2003. Year 2000 Post-Census Regional Travel Survey: Final Report of Survey Results, pp. 31-32.
- 10. Southern California Association of Governments. 2003. Draft RTP EIR p.3.3-1.

- 11. U.S. Census Bureau, American Community Survey, 2000 and 2003.
- 12. U.S. Census Bureau.
- 13. Southern California Association of Governments. 2004. *Destination* 2030, p. 138.
- 14. U.S. Census Bureau.
- 15. Los Angeles Economic Development Corporation, 2004. International Trade Trends and Impacts, the Los Angeles Region, p.4.
- 16. John E. Husing. 2004. Logistics and Distribution: Answer to Regional Upward Mobility.

#### THE ENVIRONMENT

- 1. Southern California Association of Governments. 2003. Draft RTP EIR, p. 3.4-1.
- California Environmental Protection Agency and Resources Agency. 2002. Environmental Protection Indicators for California, p.33
- 3. South Coast Air Quality Management District.
- 4. Ibid.
- Ibid. On July 11, 2003, a Stage 1 alert occurred at the Rim of the World monitoring site, which is a special purpose monitoring site. It is not part of the official data used for regulatory purposes.

- 6. Ibid.
- 7. California Air Resources Board.
- 8. South Coast Air Quality Management District.
- 9. SCAG staff estimates based on various water management plans in the region.
- All beach closure data in this section are based on Testing the Waters: A Guide to Water Quality at Vacation Beaches, published by the Natural Resources Defense Council, 2004.
- 11. California Integrated Waste Management Board, available: http://www.ciwmb.ca.gov/Landfills/tonnage/ The CIWMB obtains disposal information from returns filed with the California State Board of Equalization by disposal facility (landfill) operators. The figures reflect the amount of waste that is landfilled, or disposed of, in the SCAG region, as reported by each facility operator, rather than the total amount of waste generated in the region.
- 12. Elizabeth Grossman, *Problems and Possibility in Managing Electronic Waste*, Orion Magazine, July/August 2004.

## QUALITY OF LIFE

- 1. Southern California Association of Governments. The State of the Region 2002, p. 76, Figures 71 and 72, available: http://www.scag.ca.gov/publications/.
- 2. U.S. Census Bureau, 2003 American Community Survey.
- 3. California Department of Justice, Hate Crimes in California, 2003.

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# **Mission Statement**



Vision

**Progress** 

Leadership, vision and progress which promote economic growth, personal well-being, and livable communities for all Southern Californians.

The Association will accomplish this Mission by:

- Developing long-range regional plans and strategies that provide for efficient movement of people, goods and information; enhance economic growth and international trade; and improve the environment and quality of life.
- Providing quality information services and analysis for the region.
- Using an inclusive decision-making process that resolves conflicts and encourages trust.
- Creating an educational and work environment that cultivates creativity, initiative, and opportunity.

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